UW-Madison Augmented Reality Tour

Project Motivation:
- A need for a platform to allow individual users personalized information about any campus building
- Provide a unique experience with a focus on time management and personal interest

Proposed Solution:
- The augmented reality tour guide application is designed for Google Glass
- Allows users wearing the headset to see the name of any campus building they look at in a small heads-up-display located in the corner of their vision

How Does It Work:
- Using its GPS sensor, Glass sends the coordinates of the user’s position to an external database
- The database computes and returns a list of buildings near the user
- Glass then uses its magnetic sensors as a compass to determine which building in the list the user is looking at and displays the corresponding information

Try It:
Enter the photosphere with Glass for a simulation of how the app would function if you were standing on Bascom Hill.

Accomplishments:
- Built augmented reality platform for delivering information about UW-Madison
- Plan to incorporate ideas of big data (dynamically pulling data from many sources) and machine learning (to learn the users preferences) to deliver personalized results